

ABSTRACT OF THE DISCLOSURE

A variable-ratio transmission device. A first translational member is pivotally intercoupled to a first rotational member by at least one connecting arm. The connecting arm has a first portion pivotally connected to the first translational member at a first pivot point, and a second portion pivotally and adjustably connected to the first rotational member at a first radial attachment point removed from the center of rotation of the first rotational member. The first radial attachment point and the center of rotation thereby define a first attachment radius. The location of the first radial attachment point with respect to the first rotational member is variable to thereby increase and decrease the first attachment radius, which in turn modifies a ratio of movement between the first rotational member and the first translational member.

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